
PART J
STAIRWAYS AND FIXED LADDERS

WAC 296-155-475 Scope and application. This part applies to all stairways and fixed ladders used in construction, alteration, repair (including painting and decorating), and demolition workplaces covered under chapter 296-155 WAC, and also sets forth, in specified circumstances, when ladders and stairways are required to be provided.

Reference:

- Requirements for ladders used on or with scaffolds are located in chapter 296-874 WAC, Scaffolds.
- Requirements for portable ladders are located in chapter 296-876 WAC, Portable ladders.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 05-20-068 (Order 05-10), § 296-155-475, filed 10/04/05, effective 01/01/06. Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-475, filed 11/22/91, effective 12/24/91. Statutory Authority: RCW 49.17.040 and 49.17.050. 86-03-074 (Order 86-14), § 296-155-475, filed 1/21/86; Order 76-6, § 296-155-475, filed 3/1/76; Order 74-26, § 296-155-475, filed 5/7/74, effective 6/6/74.]

WAC 296-155-47501 Definitions applicable to this part.

- (1) **Cleat** means a ladder crosspiece of rectangular cross section placed on edge upon which a person may step while ascending or descending a ladder.
- (2) **Double-cleat ladder** means a ladder similar in construction to a single-cleat ladder, but with a center rail to allow simultaneous two-way traffic for employees ascending or descending.
- (3) **Equivalent** means alternative designs, materials, or methods that the employer can demonstrate will provide an equal or greater degree of safety for employees than the method or item specified in the standard.
- (4) **Failure** means load refusal, breakage, or separation of component parts. Load refusal is the point where the structural members lose their ability to carry the loads.
- (5) **Fixed ladder** means a ladder that cannot be readily moved or carried because it is an integral part of a building or structure. A side-step fixed ladder is a fixed ladder that requires a person getting off at the top to step to the side of the ladder side rails to reach the landing. A through fixed ladder is a fixed ladder that requires a person getting off at the top to step between the side rails of the ladder to reach the landing. For the purpose of this standard, slip forms and scaffolds with built in ladders permanently attached, are considered to be fixed ladders.
- (6) **Handrail** means a rail used to provide employees with a handhold for support.
- (7) **Individual-rung/step ladders** means ladders without a side rail or center rail support. Such ladders are made by mounting individual steps or rungs directly to the side or wall of the structure.
- (8) **Landing** means any area such as the ground, roof, or platform that provides access/egress for a ladder.
- (9) **Lower levels** means those areas to which an employee can fall from a stairway or ladder. Such areas include ground levels, floors, roofs, ramps, runways, excavations, pits, tanks, material, water, equipment, and similar surfaces. It does not include the surface from which the employee falls.
- (10) **Maximum intended load** means the total load of all employees, equipment, tools, materials, transmitted loads, and other loads anticipated to be applied to a ladder component at any one time.

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- (11) **Nosing** means that portion of a tread projecting beyond the face of the riser immediately below.
- (12) **Platform** means a walking/working surface for persons, elevated above the surrounding floor or ground.
- (13) **Point of access** means all areas used by employees for work-related passage from one area or level to another. Such open areas include doorways, passageways, stairway openings, studded walls, and various other permanent or temporary openings used for such travel.
- (14) **Riser height** means the vertical distance from the top of a tread to the top of the next higher tread or platform/landing or the distance from the top of a platform/landing to the top of the next higher tread or platform/landing.
- (15) **Side-step fixed ladder.** See “fixed ladder.”
- (16) **Single-cleat ladder** means a ladder consisting of a pair of side rails, connected together by cleats, rungs, or steps.
- (17) **Spiral stairway** means a series of steps attached to a vertical pole and progressing upward in a winding fashion within a cylindrical space.
- (18) **Stairrail system** means a vertical barrier erected along the unprotected sides and edges of a stairway to prevent employees from falling to lower levels. The top surface of a stairrail system may also be a “handrail.”
- (19) **Through fixed ladder.** See “fixed ladder.”
- (20) **Tread depth** means the horizontal distance from front to back of a tread (excluding nosing, if any).
- (21) **Unprotected sides and edges** means any side or edge (except at entrances to points of access) of a stairway where there is no stairrail system or wall 36 inches (.9 m) or more in height, and any side or edge (except at entrances to points of access) of a stairway landing, or ladder platform where there is no wall or guardrail system 39 inches (1 m) or more in height.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 05-20-068 (Order 05-10), § 296-155-47501, filed 10/04/05, effective 01/01/06. Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-47501, filed 11/22/91, effective 12/24/91.]

WAC 296-155-476 General requirements.

- (1) A stairway or ladder shall be provided at all personnel points of access where there is a break in elevation of 19 inches (48 cm) or more, and no ramp, runway, sloped embankment, or personnel hoist is provided.
 - (a) Employees shall not use any spiral stairways that will not be a permanent part of the structure on which construction work is being performed.
 - (b) A double-cleated ladder or two or more separate ladders shall be provided when ladders are the only means of access or exit from a working area for 25 or more employees, or when a ladder is to serve simultaneous two-way traffic.
 - (c) When a building or structure has only one point of access between levels, that point of access shall be kept clear to permit free passage of employees. When work must be performed or equipment must be used such that free passage at that point of access is restricted, a second point of access shall be provided and used.

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- (d) When a building or structure has two or more points of access between levels, at least one point of access shall be kept clear to permit free passage of employees.
- (2) Employers shall provide and install all stairway and ladder fall protection systems required by this part and shall comply with all other pertinent requirements of this part before employees begin the work that necessitates the installation and use of stairways, ladders, and their respective fall protection systems.
[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 06-05-027 (Order 05-45), § 296-155-476, filed 02/07/06, effective 04/01/06. Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-476, filed 11/22/91, effective 12/24/91.]

WAC 296-155-477 Stairways.

- (1) General. The following requirements apply to all stairways as indicated:
 - (a) Stairways that will not be a permanent part of the structure on which construction work is being performed shall have landings of not less than 30 inches (76 cm) in the direction of travel and extend at least 22 inches (56 cm) in width at every 12 feet (3.7 m) or less of vertical rise.
 - (b) Stairs shall be installed between 30 deg. and 50 deg. from horizontal.
 - (c) In all buildings or structures two or more stories or twenty-four feet or more in height or depth, suitable permanent or temporary stairways shall be installed.
 - (d) Stairways, ramps or ladders shall be provided at all points where a break in elevation of eighteen inches or more occurs in a frequently traveled passageway, entry or exit.
 - (e) A minimum of one stairway shall be provided for access and exit for buildings and structures to three stories or thirty-six feet; if more than three stories or thirty-six feet, two or more stairways shall be provided. Where two stairways are provided and work is being performed in the stairways, one shall be maintained clear for access between levels at all times.
 - (f) Wood frame buildings.
 - (i) The stairway to a second or higher floor shall be completed before studs are raised to support the next higher floor.
 - (ii) Roof and attic work areas of all buildings shall be provided with a safe means of access and egress, such as stairways, ramps or ladders.
 - (iii) Cleats shall not be nailed to studs to provide access to and egress from roof or other work areas.
 - (g) Steel frame buildings. Stairways shall extend to the uppermost floor that has been planked or decked. Ladders may be used above that point.
 - (h) Reinforced concrete or composite steel-Concrete buildings. Stairways shall extend to the lowermost floor upon which a complete vertical shoring system is in place. A minimum of two ladders at different locations for each floor may be used above this floor but not to exceed three floors.
 - (i) Riser height and tread depth shall be uniform within each flight of stairs, including any foundation structure used as one or more treads of the stairs. Variations in riser height or tread depth shall not be over 1/4-inch (0.6 cm) in any stairway system.

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- (j) Where doors or gates open directly on a stairway, a platform shall be provided, and the swing of the door shall not reduce the effective width of the platform to less than 20 inches (51 cm).
 - (k) Metal pan landings and metal pan treads, when used, shall be secured in place before filling with concrete or other material.
 - (l) All parts of stairways shall be free of hazardous projections, such as protruding nails.
 - (m) Slippery conditions on stairways shall be eliminated before the stairways are used to reach other levels.
 - (n) Employers are permitted to use alternating tread type stairs as long as they install, use, and maintain the stairs in accordance with manufacturer's recommendations and the following:
 - (i) The stair must be installed at an angle of seventy degrees or less.
 - (ii) The stair must be capable of withstanding a minimum uniform load of one hundred pounds per square foot with a design factor of 1.7, and the treads must be capable of carrying a minimum concentrated load of three hundred pounds at the center of any treadspan or exterior arc with a design factor of 1.7. If the stair is intended for greater loading, construction must allow for that loading.
 - (iii) The stair must be equipped with a handrail on each side to assist the user in climbing or descending.
 - (o) Due to space limitations, when a permanent stairway must be installed at an angle above fifty degrees, such an installation (commonly called an inclined or ship's ladder) shall have treads, open risers and handrails on both sides.
 - (p) Where ladders are permitted for access under subsection (1) of this section, means shall be provided for employee hoisting of tools and material, such as a well wheel and hoisting line or the equivalent, so employees will have both hands free for ascending and descending ladders.
- (2) Temporary service. The following requirements apply to all stairways as indicated:
- (a) Except during stairway construction, foot traffic is prohibited on stairways with pan stairs where the treads and/or landings are to be filled in with concrete or other material at a later date, unless the stairs are temporarily fitted with wood or other solid material at least to the top edge of each pan. Such temporary treads and landings shall be replaced when worn below the level of the top edge of the pan.
 - (b) Except during stairway construction, foot traffic is prohibited on skeleton metal stairs where permanent treads and/or landings are to be installed at a later date, unless the stairs are fitted with secured temporary treads and landings long enough to cover the entire tread and/or landing area.
 - (c) Treads for temporary service shall be made of wood or other solid material, and shall be installed the full width and depth of the stair.

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- (3) Stairrails and handrails. The following requirements apply to all stairways as indicated:
- (a) Stairways having four or more risers or rising more than 30 inches (76 cm), whichever is less, shall be equipped with:
 - (i) At least one handrail; and
 - (ii) One stairrail system along each unprotected side or edge.

Note: When the top edge of a stairrail system also serves as a handrail, subdivision (g) of this subsection applies.

- (b) Winding and spiral stairways shall be equipped with a handrail offset sufficiently to prevent walking on those portions of the stairways where the tread width is less than 6 inches (15 cm).
- (c) The height of stairrails shall be as follows:
 - (i) Stairrails installed after the effective date of this standard, shall be not less than 36 inches (91.5 cm) from the upper surface of the stairrail system to the surface of the tread, in line with the face of the riser at the forward edge of the tread.
 - (ii) Stairrails installed before the effective date of this standard, shall be not less than 30 inches (76 cm) nor more than 34 inches (86 cm) from the upper surface of the stairrail system to the surface of the tread, in line with the face of the riser at the forward edge of the tread.
- (d) Midrails, screens, mesh, intermediate vertical members, or equivalent intermediate structural members, shall be provided between the top rail of the stairrail system and the stairway steps.
 - (i) Midrails, when used, shall be located at a height midway between the top edge of the stairrail system and the stairway steps.
 - (ii) Screens or mesh, when used, shall extend from the top rail to the stairway step, and along the entire opening between top rail supports.
 - (iii) When intermediate vertical members, such as balusters, are used between posts, they shall be not more than 19 inches (48 cm) apart.
 - (iv) Other structural members, when used, shall be installed such that there are no openings in the stairrail system that are more than 19 inches (48 cm) wide.
- (e) Handrails and the top rails of stairrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds (890 n) applied within 2 inches (5 cm) of the top edge, in any downward or outward direction, at any point along the top edge.
- (f) The height of handrails shall be not more than 37 inches (94 cm) nor less than 30 inches (76 cm) from the upper surface of the handrail to the surface of the tread, in line with the face of the riser at the forward edge of the tread.

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- (g) When the top edge of a stairrail system also serves as a handrail, the height of the top edge shall be not more than 37 inches (94 cm) nor less than 36 inches (91.5 cm) from the upper surface of the stairrail system to the surface of the tread, in line with the face of the riser at the forward edge of the tread.
- (h) Stairrail systems and handrails shall be so surfaced as to prevent injury to employees from punctures or lacerations, and to prevent snagging of clothing.
- (i) Handrails shall provide an adequate handhold for employees grasping them to avoid falling.
- (j) The ends of stairrail systems and handrails shall be constructed so as not to constitute a projection hazard.
- (k) Handrails that will not be a permanent part of the structure being built shall have a minimum clearance of 3 inches (8 cm) between the handrail and walls, stairrail systems, and other objects.
- (l) Unprotected sides and edges of stairway landings shall be provided with guardrail systems.

Guardrail system criteria are contained in chapter 296-155 WAC, Part K.

[Statutory Authority: Chapter 49.17 RCW. 96-24-051, (Order 96-05), § 296-155-477, filed 11/27/96, effective 02/01/97. 95-10-016, § 296-155-477, filed 4/25/95, effective 10/1/95; 91-24-017 (Order 91-07), § 296-155-477, filed 11/22/91, effective 12/24/91.]

WAC 296-155-480 Fixed Ladders. Requirements relating to portable ladders were removed from this section and are now located in chapter 296-876 WAC, Portable ladders.

- (1) General. The following requirements apply to all fixed ladders as indicated.
 - (a) Ladders shall be capable of supporting, without failure, at least two loads of 250 pounds (114 kg) each, concentrated between any two consecutive attachments (the number and position of additional concentrated loads of 250 pounds (114 kg) each, determined from anticipated usage of the ladder, shall also be included), plus anticipated loads caused by ice buildup, winds, rigging, and impact loads resulting from the use of ladder safety devices. Each step or rung shall be capable of supporting a single concentrated load of at least 250 pounds (114 kg) applied in the middle of the step or rung. Ladders built in conformance with the applicable provisions of appendix A will be deemed to meet this requirement.
 - (b) Ladder rungs, cleats, and steps shall be parallel, level, and uniformly spaced when the ladder is in position for use.
 - (c) Rungs, cleats, and steps of fixed ladders (including individual-rung/step ladders) shall be spaced not less than 10 inches (25 cm) apart, nor more than 14 inches (36 cm) apart, as measured between centerlines of the rungs, cleats, and steps.
 - (d) The minimum clear distance between the sides of individual-rung/step ladders and the minimum clear distance between the side rails of other fixed ladders shall be 16 inches (41 cm).
 - (e) The rungs of individual-rung/step ladders shall be shaped such that employees' feet can't slide off the end of the rungs.
 - (f) The rungs and steps of fixed metal ladders manufactured after the effective date of this standard, shall be corrugated, knurled, dimpled, coated with skid-resistant material, or otherwise treated to minimize slipping.

WAC 296-155-480 (Cont.)

- (g) Except when portable ladders are used to gain access to fixed ladders (such as those on utility towers, billboards, and other structures where the bottom of the fixed ladder is elevated to limit access), when two or more separate ladders are used to reach an elevated work area, the ladders shall be offset with a platform or landing between the ladders. (The requirements to have guardrail systems with toeboards for falling object and overhead protection on platforms and landings are set forth in chapter 296-155 WAC, Part K.)
- (h) Ladder components shall be surfaced so as to prevent injury to an employee from punctures or lacerations, and to prevent snagging of clothing.
- (i) Wood ladders shall not be coated with any opaque covering, except for identification or warning labels which may be placed on one face only of a side rail.
- (j) The minimum perpendicular clearance between fixed ladder rungs, cleats, and steps, and any obstruction behind the ladder shall be 7 inches (18 cm), except in the case of an elevator pit ladder, for which a minimum perpendicular clearance of 4 1/2 inches (11 cm) is required.
- (k) The minimum perpendicular clearance between the center line of fixed ladder rungs, cleats, and steps, and any obstruction on the climbing side of the ladder shall be 30 inches (76 cm), except as provided in (o) of this subsection.
- (l) When unavoidable obstructions are encountered, the minimum perpendicular clearance between the centerline of fixed ladder rungs, cleats, and steps, and the obstruction on the climbing side of the ladder may be reduced to 24 inches (61 cm), provided that a deflection device is installed to guide employees around the obstruction.
- (m) Through fixed ladders at their point of access/egress shall have a step-across distance of not less than 7 inches (18 cm) nor more than 12 inches (30 cm) as measured from the centerline of the steps or rungs to the nearest edge of the landing area. If the normal step-across distance exceeds 12 inches (30 cm), a landing platform shall be provided to reduce the distance to the specified limit.
- (n) Fixed ladders without cages or wells shall have a clear width to the nearest permanent object of at least 15 inches (38 cm) on each side of the centerline of the ladder.
- (o) Fixed ladders shall be provided with cages, wells, ladder safety devices, or self-retracting lifelines where the length of climb is less than 24 feet (7.3 m) but the top of the ladder is at a distance greater than 24 feet (7.3 m) above lower levels.
- (p) Where the total length of a climb equals or exceeds 24 feet (7.3 m), fixed ladders shall be equipped with one of the following:
 - (i) Ladder safety devices; or
 - (ii) Self-retracting lifelines, and rest platforms at intervals not to exceed 150 feet (45.7 m); or
 - (iii) A cage or well, and multiple ladder sections, each ladder section not to exceed 50 feet (15.2 m) in length. Ladder sections shall be offset from adjacent sections, and landing platforms shall be provided at maximum intervals of 50 feet (15.2 m).

WAC 296-155-480 (Cont.)

- (q) Cages for fixed ladders shall conform to all of the following:
 - (i) Horizontal bands shall be fastened to the side rails of rail ladders, or directly to the structure, building, or equipment for individual-rung ladders;
 - (ii) Vertical bars shall be on the inside of the horizontal bands and shall be fastened to them;
 - (iii) Cages shall extend not less than 27 inches (68 cm), or more than 30 inches (76 cm) from the centerline of the step or rung (excluding the flare at the bottom of the cage), and shall not be less than 27 inches (68 cm) in width;
 - (iv) The inside of the cage shall be clear of projections;
 - (v) Horizontal bands shall be spaced not more than 4 feet (1.2 m) on center vertically;
 - (vi) Vertical bars shall be spaced at intervals not more than 9 1/2 inches (24 cm) on center horizontally;
 - (vii) The bottom of the cage shall be at a level not less than 7 feet (2.1 m) nor more than 8 feet (2.4 m) above the point of access to the bottom of the ladder. The bottom of the cage shall be flared not less than 4 inches (10 cm) all around within the distance between the bottom horizontal band and the next higher band;
 - (viii) The top of the cage shall be a minimum of 42 inches (1.1 m) above the top of the platform, or the point of access at the top of the ladder, with provision for access to the platform or other point of access.
- (r) Wells for fixed ladders shall conform to all of the following:
 - (i) They shall completely encircle the ladder;
 - (ii) They shall be free of projections;
 - (iii) Their inside face on the climbing side of the ladder shall extend not less than 27 inches (68 cm) nor more than 30 inches (76 cm) from the centerline of the step or rung;
 - (iv) The inside clear width shall be at least 30 inches (76 cm);
 - (v) The bottom of the wall on the access side shall start at a level not less than 7 feet (2.1 m) nor more than 8 feet (2.4 m) above the point of access to the bottom of the ladder.
- (s) Ladder safety devices, and related support systems, for fixed ladders shall conform to all of the following:
 - (i) They shall be capable of withstanding without failure a drop test consisting of an 18-inch (41 cm) drop of a 500-pound (226 kg) weight;
 - (ii) They shall permit the employee using the device to ascend or descend without continually having to hold, push or pull any part of the device, leaving both hands free for climbing;
 - (iii) They shall be activated within 2 feet (.61 m) after a fall occurs, and limit the descending velocity of an employee to 7 feet/sec. (2.1 m/sec.) or less;

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- (iv) The connection between the carrier or lifeline and the point of attachment to the body belt or harness shall not exceed 9 inches (23 cm) in length.
- (t) The mounting of ladder safety devices for fixed ladders shall conform to the following:
 - (i) Mountings for rigid carriers shall be attached at each end of the carrier, with intermediate mountings, as necessary, spaced along the entire length of the carrier, to provide the strength necessary to stop employees' falls.
 - (ii) Mountings for flexible carriers shall be attached at each end of the carrier. When the system is exposed to wind, cable guides for flexible carriers shall be installed at a minimum spacing of 25 feet (7.6 m) and maximum spacing of 40 feet (12.2 m) along the entire length of the carrier, to prevent wind damage to the system.
 - (iii) The design and installation of mountings and cable guides shall not reduce the design strength of the ladder.
- (u) The side rails of through or side-step fixed ladders shall extend 42 inches (1.1 m) above the top of the access level or landing platform served by the ladder. For a parapet ladder, the access level shall be the roof if the parapet is cut to permit passage through the parapet; if the parapet is continuous, the access level shall be the top of the parapet.
- (v) For through-fixed-ladder extensions, the steps or rungs shall be omitted from the extension and the extension of the side rails shall be flared to provide not less than 24 inches (61 cm) nor more than 30 inches (76 cm) clearance between side rails. Where ladder safety devices are provided, the maximum clearance between side rails of the extensions shall not exceed 36 inches (91 cm).
- (w) For side-step fixed ladders, the side rails and the steps or rungs shall be continuous in the extension.
- (x) Individual-rung/step ladders, except those used where their access openings are covered with manhole covers or hatches, shall extend at least 42 inches (1.1 m) above an access level or landing platform either by the continuation of the rung spacings as horizontal grab bars or by providing vertical grab bars that shall have the same lateral spacing as the vertical legs of the rungs.
- (2) Use. The following requirements apply to the use of all fixed ladders, except as otherwise indicated:
 - (a) Ladders shall be maintained free of oil, grease, and other slipping hazards.
 - (b) Ladders shall not be loaded beyond the maximum intended load for which they were built, nor beyond their manufacturer's rated capacity.
 - (c) Ladders shall be used only for the purpose for which they were designed.
 - (d) Fixed ladders shall be used at a pitch no greater than 90 degrees from the horizontal, as measured to the back side of the ladder.
 - (e) The area around the top and bottom of ladders shall be kept clear.
 - (f) Ladders shall be inspected by a competent person for visible defects on a periodic basis and after any occurrence that could affect their safe use.

WAC 296-155-480 (Cont.)

- (g) Fixed ladders with structural defects, such as, but not limited to, broken or missing rungs, cleats, or steps, broken or split rails, or corroded components, shall be withdrawn from service until repaired. The requirement to withdraw a defective ladder from service is satisfied if the ladder is either:
 - (i) Immediately tagged with “do not use” or similar language;
 - (ii) Marked in a manner that readily identifies it as defective;
 - (iii) Or blocked (such as with a plywood attachment that spans several rungs).
- (h) Ladder repairs shall restore the ladder to a condition meeting its original design criteria, before the ladder is returned to use.
- (i) Single-rail ladders shall not be used.
- (j) When ascending or descending a ladder, the user shall face the ladder.
- (k) Employees shall not ascend or descend ladders while carrying tools or materials that might interfere with the free use of both hands.
- (l) No type of work shall be performed on a ladder over twenty-five feet from the ground or floor that requires the use of both hands to perform the work, unless a safety belt is worn and the safety lanyard is secured to the ladder.
- (m) Any work that requires wearing eye protection, respirators, or handling of pressure equipment shall not be performed from a ladder more than twenty-five feet above the surrounding surface.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 05-20-068 (Order 05-10), § 296-155-480, filed 10/04/05, effective 01/01/06. Statutory Authority: Chapter 49.17 RCW. 96-24-051, (Order 96-05), § 296-155-480 filed 11/27/96, effective 02/01/97. 95-10-016, § 296-155-480, filed 4/25/95, effective 10/1/95; 94-15-096 (Order 94-07), § 296-155-480, filed 7/20/94, effective 9/20/94; 91-24-017 (Order 91-07), § 296-155-480, filed 11/22/91, effective 12/24/91; 91-03-044 (Order 90-18), § 296-155-480, filed 1/10/91, effective 2/12/91; 90-09-026 (Order 90-01), § 296-155-480, filed 4/10/90, effective 5/25/90. Statutory Authority: RCW 49.17.040 and 49.17.050. 86-03-074 (Order 86-14), § 296-155-480, filed 1/21/86. Statutory Authority: RCW 49.17.040, 49.17.150, and 49.17.240. 79-08-115 (Order 79-9), § 296-155-480, filed 7/31/79; Order 76-29, § 296-155-480, filed 9/30/76; Order 76-6, § 296-155-480, filed 3/1/76; Order 74-26, § 296-155-480, filed 5/7/74, effective 6/6/74.]

WAC 296-155-48060 Training requirements. The following training provisions clarify the requirements of WAC 296-155-100 (1)(c), regarding the hazards addressed in chapter 296-155 WAC, Part J.

- (1)
 - (a) The employer shall provide a training program for each employee using ladders and stairways. The program shall enable each employee to recognize hazards related to ladders and stairways, and shall train each employee in the procedures to be followed to minimize these hazards.
 - (b) The employer shall ensure that each employee has been trained by a competent person in the following areas, as applicable:
 - (i) The nature of fall hazards in the work area;
 - (ii) The correct procedures for erecting, maintaining, and disassembling the fall protection systems to be used;
 - (iii) The proper construction, use, placement, and care in handling of all stairways and ladders;

WAC 296-155-48060 (Cont.)

- (iv) The maximum intended load-carrying capacities of ladders used; and
- (v) The standards contained in this part.

- (2) Retraining shall be provided for each employee as necessary so that the employee maintains the understanding and knowledge acquired through compliance with this section.

[Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-48060, filed 11/22/91, effective 12/24/91.]

WAC 296-155-48080 Appendix A. This appendix serves as a nonmandatory guideline to assist employers in complying with the ladder loading and strength requirements of WAC 296-155-480 (1)(a). A ladder designed and built in accordance with ANSI A14.3.1984 – American National Standard for Ladders-Fixed –Safety Requirements will be considered to meet the requirements of WAC 296-155-480 (1)(a).

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 05-20-068 (Order 05-10), § 296-155-4, filed 10/04/05, effective 01/01/06. [Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-48080, filed 11/22/91, effective 12/24/91.]

WAC 296-155-48090 Reserved.

[Statutory Authority: Chapter 49.17 RCW. 91-24-017 (Order 91-07), § 296-155-48090, filed 11/22/91, effective 12/24/91; Order 76-29, Table J-18 (codified as WAC 296-155-48090), filed 9/30/76; Order 76-6, Table J-18, filed 3/1/76. Formerly § 296-155-480 (part).]